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CLASSIFICATION SECURITY INFORMATION

CENTRAL INTELLIGENCE AGENCY

REPORT NO. [redacted]

INTELLOFAX 21

INFORMATION REPORT

CD NO. 25X1A

COUNTRY USSR(Ukrainian SSR)

DATE DISTR. 3 March 1952

SUBJECT Kurakhov GRES Power Plant near Koya

NO. OF PAGES 3

NO. OF ENCLS. 20 (LISTED BELOW)

25X1A PLACE ACQUIRED [redacted]

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DATE OF INFO.

SUPPLEMENT TO REPORT NO.

25X1X

[redacted]

1. Location:

Two kilometers west of Koya (37°18' E/47°59' N), on the southern bank of a reservoir.

2. Plant installations:

a. The construction of the halls proceeded as the turbines were fitted. One of the turbines started operating on 12 December 1946 and the next in May 1947 while the foundations for the third turbine were completed by November 1948. Two turbines were driven by four boilers and one additional reserve boiler; such a set had two smoke stacks. Fellow PWs said that each boiler was equipped with a coal mill and an electric filtering installation.

b. A Soviet foreman said that, within the program of the 5-year Plan, the plant is scheduled to replace the Dnepr Power plant in emergencies and is thus supposed to supply the Donbas with power. To achieve this the western part of the power plant will be enlarged for the construction of a required fourth turbine set and the reservoir will be extended to a capacity of about 80 million additional cbms of water. The dam, with a concrete base and an upper structure of pressed clay, reached the following dimensions in late 1948: Length: 400 to 500 meters, height: 12 to 15 meters, width on top: 70 meters.

[redacted]

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Approved For Release 2002/01/17 : CIA-RDP83-00415R010800020003-6

CENTRAL INTELLIGENCE AGENCY [redacted] 25X1A

b. During the time of observation the turbine house was completed to a length of 100 to 150 meters. To facilitate the installation of the scheduled turbine sets the building will be extended to length of about 250 to 300 meters. Preparations for the installation of two additional boilers started in late 1948 and in early-1949.

c. It was learned that four additional turbines will be installed after the end of the first 5th Year-plan, (to obtain a total of eight turbines) and that the plant would be extended to the west.

3. Work force:

Three to four thousand laborers, 50 percent PWs, including the workers at the dam.

4. Capacity:

Two AEG turbines from East Germany with 50,000 kws each.

5. The inscription Kurakhovskaya Elektrostantsiya was identified above the plant gate.

6. Two AEG turbines (50,000 kw capacity each) which, together with most of the plant installations, came from AEG in Beuthen-Prechtal, Upper Silesia, had been in operation in the eastern part of the turbine hall since June 1949. It was learned from a Soviet foreman that two additional turbines will be installed in late 1949 or in early 1950.

7. Excavations to fit the turbine bases were west of the two operating turbines. Three smokestacks, 54 meters high, were in front of the boiler house.

8. One thousand PWs working three shifts were assigned to plant constructions until June 1949.

9. Moscow ordered all necessary actions to be taken for the completion of the fourth turbine. The target date was met as the turbine started working on 7 October 1949. The following important enlargements were observed from March to October 1949: Great progress on the gate section of the dam, (70 to 80 meters long), construction of a third concrete smokestack and current enlargements of plant installations and construction of the Tsentral Miposelok settlement.

10. Fellow PWs said that the construction of the dam made little progress as the area was very swampy. The gate section of the dam is about 70 to 80 meters long.

11. In September 1949 Engineer Albert stated that the installation of a fifth and sixth turbine was being prepared by the Soviets.

For location see Annex 2.

Approved For Release 2002/01/17 : CIA-RDP83-00415R010800020003-6

Approved For Release 2002/01/17 : CIA-RDP83-00415R010800020003-6

CENTRAL INTELLIGENCE AGENCY [redacted] 25X1A

25X1A [redacted] comment:

a. The report gives supplementary information on the reconstructed Kurakhovgres Power Plant near Roya.

b. This report corresponds with previous information which clarified the location and present layout of the plant.

25X1X c. [redacted] agree on the number of turbines, the date they were installed and other enlargements. As the importance of the plant will be considerably increased by the extension of the dam, the enlargement of the reservoir and the installation of a fifth and sixth turbine ([redacted] 25X1X reported the installation of four additional turbines), credence may be given to the statement [redacted] according 25X1X to which the plant is supposed to substitute the Dnepr Power Plant near Zaporozhe and secure the power supply of the Donbas area.

All reports received agree on the turbine capacity of 50,000 kw each.

Annex 1 conforms with previous records.
Annex 2 is forwarded as enlargements of the dam are entered.

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CENTRAL INTELLIGENCE AGENCY [redacted] 25X1A

Legend to Annex 2

1 power plant area

2 pumping station

3 discharge canal

4 PW camp

5 Repair shop for automobiles and motors

6 Dam and lock section

7 Tsentral Niposelok Settlement.

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Legend to Annex 1

A Power Plant

1 Pumping station and water works

2 Open-air transformer station, 350x80 meters

3 Transformer repair shop

4 Turbine shop, 25 meters wide, 30 meters high, two turbines in operation, foundations for a third turbine completed

5 Boiler house, 25 meters wide, 35 meters high. Five boilers in operation, two additional boiler foundations completed

6 Coal grinding station, 9 meters wide, 15 meters high

7 Coal crushing installation, stone structure, 20x20x25 meters

8 Electric filter installation, 15 meters wide and 15 meters high

9 Conveying installation, total length 100 to 150 meters, with brick tower, 25 meters high, in the middle

10 Two brick smokestacks, ground diameter 5 to 6 meters, height 50 to 70 meters

(Installations No 2,4,5,6, 8 are 150 to 200 meters long and will be extended to the west for the installation of new machines)

11 Coal stores with sheet-metal roof, about 175x30x10 meters

12 Projected area for the construction of a second coal storage hall

13 Coal dump

14 Administration, 45x30 meters

15 Workshops

16 Motor pool, 80x30x7 meters

17 High tension line

B Approximate area for projected large marshaling yard

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25X1A

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C Area of a metallurgical plant under construction, four workshops 150x45x20 meters (iron structure with bowed roof) and one transformer station completed. Machinery was arriving since the middle of 1947.

25X1X

D [redacted]

E Construction site, presumably for waterworks

F Dam

G Concrete plant

H Sawmill

J Fuel depot

K Grain silo

L Roya railroad station

M Four locks.

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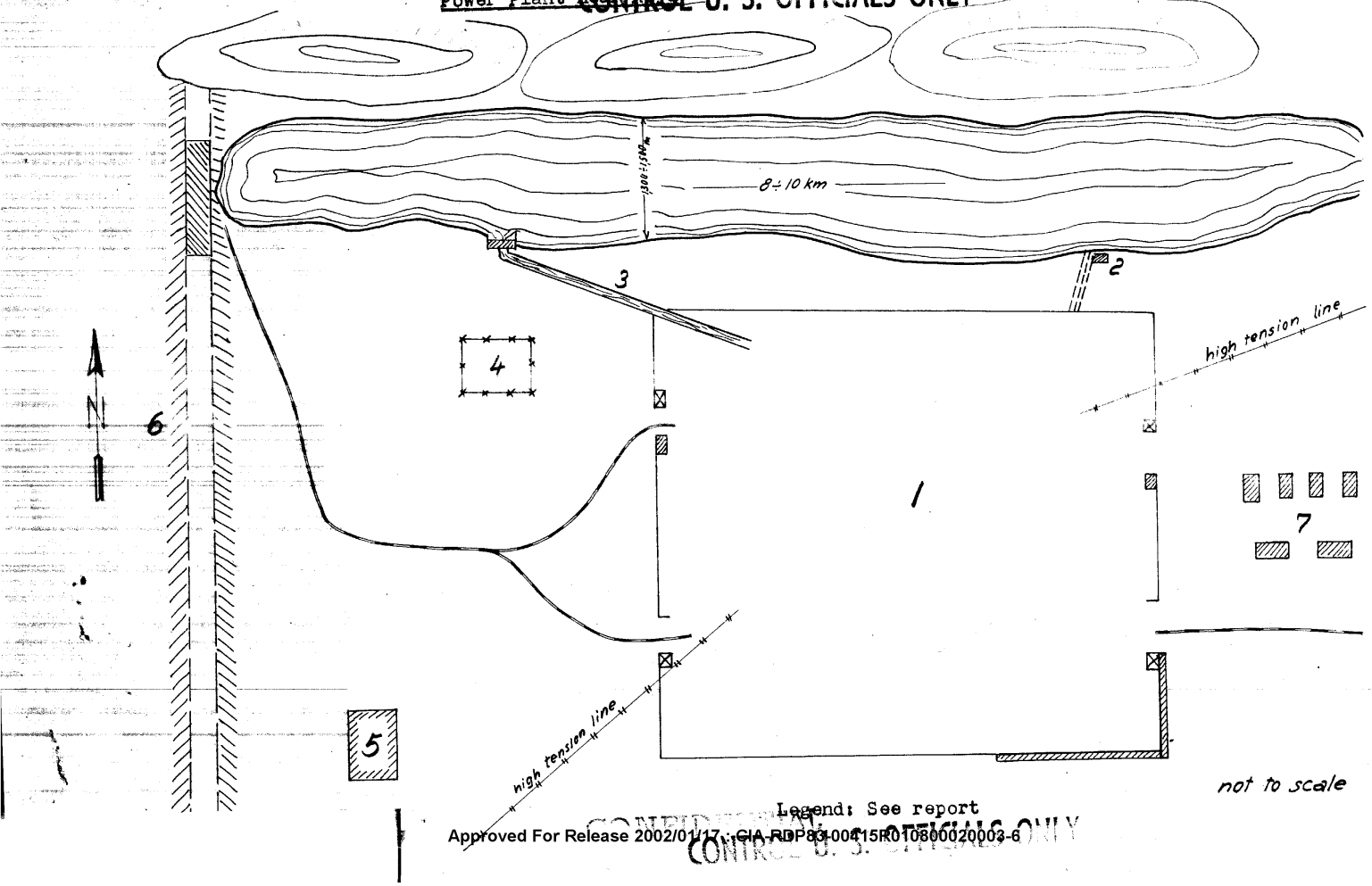
Power Plant Nesher



Legend: See report

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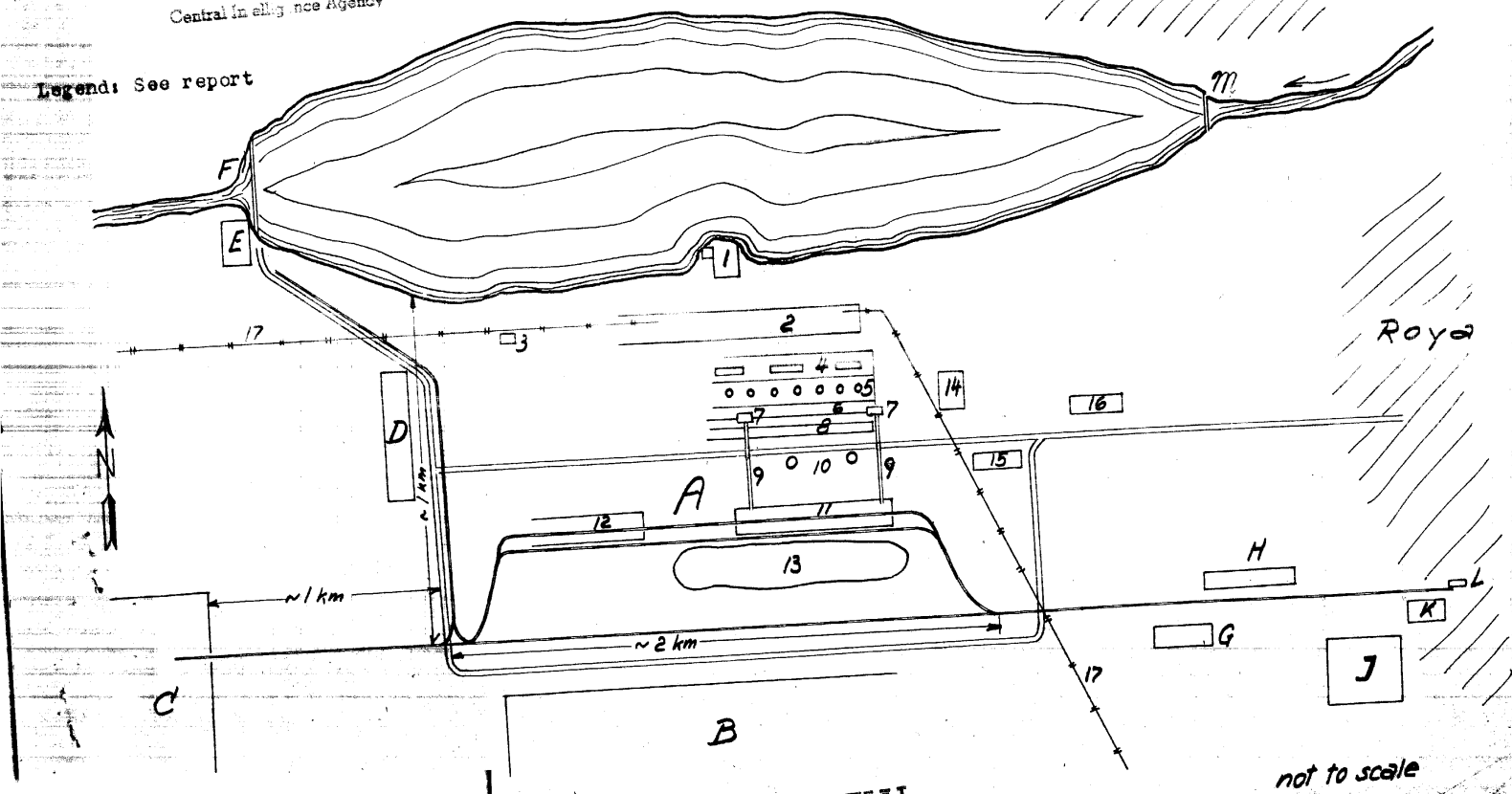
Annex 1

Power Plant near Roya

Legend: See report



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